



Recombinant Human VEGFB

Cat No:HR2R2064

For research use only

Overview

Quantity	20 ?g
Gene Symbol	VEGFB
Gene ID	7423
Accession	P49765
Alternative Name	VEGF-related factor
Species	Human
Source	E. coli
Description	Vascular endothelial growth factor B (VEGFB) is a homodimeric, heparin-binding glycoprotein member of the VEGF family of growth factors. Compared to VEGFA, VEGFB's main role is the maintenance of newly formed blood vessels and is involved in endothelial cell physiology. It is a ligand for vascular endothelial growth factor receptor 1 (VEGFR1) and neuropilin-1 (NRP1), while the binding of neuropilin-1 to VEGFB186 is proteolysis regulated.
Functions	Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast. The ED50 for this effect is < 1ng/ml.
Formulation	Lyophilized as a 0.2 ?m filtered solution in Acetonitrile and TFA
Solubility	N/A
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	Store at 4?C if entire vial will be used within 2-4 weeks. Store frozen at -20?C for longer periods of time. For long term storage, we recommend adding a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.